BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 in Engineering
Unit number and title	Unit 35 Computer Programming
Learning aim(s)	**D:** Review and reflect on own performance for the development of a software program.
Assignment title	Review and reflect on performance during a software development project
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	Your programming solution has been launched within the Stock Control Department. As with most software projects, a project debrief is required to review what went well and what didn't go so well during the project's development.

Task 1	Examine your own performance during the design and development of a software program to solve an engineering problem. Prepare a "lessons learned" report to explain how health and safety, computer programming skills were applied. In your report include how you applied: • Computer programming skills: o Proper use of constructs and syntax o Appropriate use of procedures and functions o Choice of data types o Operations within the processes • General engineering skills: o Mathematics o Logical thinking Also, an explanation of the importance and use of behaviours should be included. The tasks are to: • review and reflect on the activities that have been completed and make notes about what went well and what improvements could be made; what would be done differently next time • time planning and management to meet all the different requirements in time and order • communication and literacy skills to follow and implement instructions, and to communicate effectively with others • problem solving as problems occur, investigating the source of the problem
Checklist of evidence required	*A written report outlining your own personal performance and the lessons learned during the design and development of the project.*

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
D.D3	Demonstrate consistently good technical understanding and analysis of the measurement and testing of circuits, including the application of relevant behaviours and general engineering skills to a professional standard.
D.M6	Recommend improvements to the development of a software program and to the relevant behaviours applied.
D.P6	Explain how health and safety, computer programming and general engineering skills were effectively applied when developing a software program.
D.P7	Explain how relevant behaviours were effectively applied during the development of a software program.
Sources of information to support you with this Assignment	Khan Academy (https://www.khanacademy.org/) Stack Overflow (http://stackoverflow.com/) - answers to common programming questions Codecademy (https://www.codecademy.com/) MSDN (https://msdn.microsoft.com/en-GB/) Agile (http://www.agilealliance.org/)